Title (en)

Structural device for improving the resistance of a structure to heat elongation

Title (de)

Konstruktionsvorrichtung zur Verbesserung der Stabilität einer Struktur hinsichtlich temperaturbedingter Ausdehnungen

Title (fr)

Dispositif structural d'amélioration de la tenue d'une structure aux dilatations en température

Publication

EP 2053255 B1 20101006 (FR)

Application

EP 08167184 A 20081021

Priority

FR 0707420 A 20071023

Abstract (en)

[origin: EP2053255A1] The structure has a monoblock attachment part (1) glued to a flat rigid panel, where part is molded by hot compression in a composite material e.g. bundles of carbon fibers, pre-impregnated with a heat-set epoxy resin. The part with a shovel (3) has rims intended to retain the glue around recess, where the recess receives a glue. A bar (2) is integrated to the shovel, and has an aluminum insert whose expansion coefficient is greater than an expansion coefficient of the material of the attachment part. The insert is positioned in a mold, during the molding of the attachment part. An independent claim is also included for a method for producing a structural panel assembly structure.

IPC 8 full level

F16B 11/00 (2006.01)

CPC (source: EP)

B64G 1/22 (2013.01); **F16B 5/02** (2013.01); **F16B 11/006** (2013.01); B64G 1/1007 (2013.01); F16B 37/044 (2013.01)

Cited by

EP2666391A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2053255 A1 20090429; **EP 2053255 B1 20101006**; AT 483918 T 20101015; CA 2641754 A1 20090423; CA 2641754 C 20150407; CN 101424372 A 20090506; CN 101424372 B 20130130; DE 602008002883 D1 20101118; ES 2351178 T3 20110201; FR 2922612 A1 20090424; FR 2922612 B1 20100319; JP 2009186004 A 20090820; JP 5526423 B2 20140618; RU 2008141959 A 20100427; RU 2478530 C2 20130410; US 2009100777 A1 20090423; US 7866109 B2 20110111

DOCDB simple family (application)

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